305 NEUSE RIVER BASIN

0208703650 FALLS LAKE AT STATE HIGHWAY 50 NEAR SANDY PLAIN, NC

LOCATION.--Lat 36°00'55", long 78°41'28", Wake County, Hydrologic Unit 03020201, at bridge on State Highway 50, 3.3 mi south of Sandy Plain. PERIOD OF RECORD .-- Water years 1989 to 1995, 2005.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment. A GC/FID scan for trace organic compounds was performed on samples collected in October 1994 and May 1995. Results may be obtained from the USGS Water Science Center, Raleigh, NC. Samples for nutrient and chlorophyll a and b analyses were collected through a sampling zone equal to double the secchi disk depth using the depth-integration sampling technique.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Medium code	Color, water, fltrd, Pt-Co units (00080)	Sampling depth, meters (00098)	Transparency Secchi disc, meters (00078)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
AUG 03 03 03	1045 1050 1055	9 9 9	15 	1.0 2.0 4.0	1.10 	756 756 756	7.2 6.3 2.7	96 84 35	8.2 7.5 6.8	123 124 126	29.8 29.5 28.7	31	7.39
	Magnes-	Potas-		ANC, wat unf	Bicar- bonate,	CL I	EI.			Residue on	Ammonia		Nitrite +
Date	ium, water, fltrd, mg/L (00925)	sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	incrm. titr., field, mg/L as CaCO3 (00419)	wat unf incrm. titr., field, mg/L (00450)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	evap. at 180degC wat flt mg/L (70300)	org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	nitrate water fltrd, mg/L as N (00631)

Date	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Chloro- phyll a phyto- plank- ton, fluoro, ug/L (70953)	Chloro- phyll b phyto- plank- ton, fluoro, ug/L (70954)	Iron, water, unfltrd recover -able, ug/L (01045)	Mangan- ese, water, unfltrd recover -able, ug/L (01055)
AUG								
03	E.001	<.006	.043	8.8	10.6	<.1	80	101
03	E.001	<.006	.043				100	112
03	E.001	<.006	.034				140	169

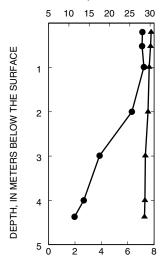
Remark codes used in this table:

Medium codes used in this table:

< -- Less than. E -- Estimated.

^{9 --} Surface water

TEMPERATURE, IN DEGREES CELSIUS



DISSOLVED OXYGEN, IN MILLIGRAMS PER LITER

